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REPORT**SECOND SEMIANNUAL 2007 GROUNDWATER
MONITORING REPORT**

FORMER ASHLAND CHEMICAL COMPANY
10505 SOUTH PAINTER AVENUE
SANTA FE SPRINGS, CALIFORNIA

Prepared for

ASHLAND.

Ashland Inc.
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January 15, 2008

URS

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data since methylene chloride is a common laboratory contaminant and it was not detected in the corresponding samples. Tert-amyl methyl ether (TAME), chloroform, ethyl t-butyl ether (ETBE), p-isopropyl toluene, vinyl chloride, and xylenes were detected in one equipment blank sample. TAME, ETBE, and chloroform are common contaminants in potable water in California. TAME and ETBE are oxygenates used in gasoline and chloroform is a trihalomethane commonly found in water that has been disinfected with chlorine. P-isopropyl toluene, vinyl chloride and xylene could be carry-over from another analysis. Vinyl chloride detected in MW-17B maybe the result of blank contamination. No action was taken on the other sample data based on these findings.

A complete data QA/QC report for the August 2007 sampling event is provided in Appendix F.

5.0 GROUNDWATER REMEDIATION

The GWTS consists of a biological reactor, an air stripper, ozone/hydrogen peroxide injection, and liquid phase granular activated carbon (GAC) prior to discharge to the storm drain under a National Pollution Discharge Elimination System (NPDES) permit. The GWTS was relocated and commissioned in November 2003. Extraction well EX-6 was installed in January 2005. Groundwater is extracted from wells EX-1, EX-2, EX-4, EX-5, and EX-6 located in the vicinity and downgradient to the former UST/AST north farm area. The GWTS schematic flow diagram is shown on Figure 9.

GWTS upgrades, including the addition of ozone and hydrogen peroxide were completed in 2006. Adjustments to the system modifications continued during the first half of 2007. During this reporting period, the GWTS operations were periodically suspended based on results of 1,4-dioxane testing. System optimization and replacement of liquid Granular Activated Carbon (GAC) was initiated as a part of corrective action. Following additional system performance testing during the 2007 second quarter, normal system operations resumed in April 2007. The system was shut down September 10, 2007, due to exceedance of 1,4-dioxane. Performance testing occurred in early October and the system has remained shut down while evaluating different treatment technologies.

Since commissioning in November 2003, approximately 39.1 million gallons of groundwater have been pumped at a rate of approximately 50 gpm with influent total VOC concentrations ranging from 287 to 2,941 µg/L. Pumping at rates from extraction wells EX-1, EX-2, EX-4, EX-5, and EX-6 vary from 1 gpm to 17 gpm.

The total VOC mass removal for this reporting period was approximately 145 pounds (at a rate of approximately 24 pounds per month). Total VOC mass removal and cumulative total flow data are summarized on Figure 10. Mass removal calculations for the groundwater treatment system are included in Appendix G.

6.0 SUMMARY OF RESULTS

6.1 GROUNDWATER CONDITIONS

The groundwater condition summary is as follows:

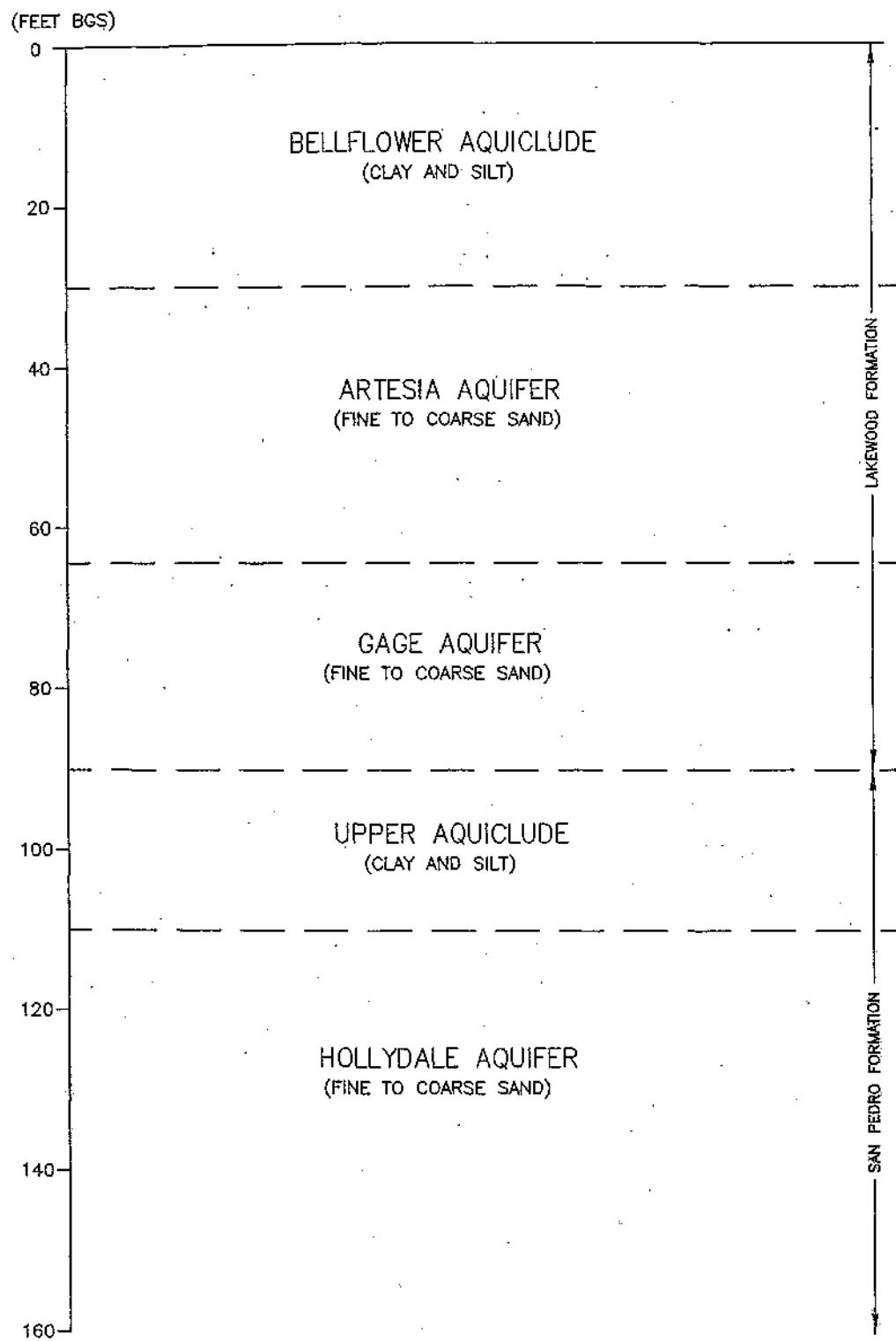
- ◆ Groundwater elevations during this reporting period ranged from approximately 80 to 104 feet above msl. On average, the groundwater elevations have decreased 0.26 feet between the Third and Fourth Quarter gauging events. The interpreted groundwater potentiometric surface is somewhat flat with a southwesterly gradient of approximately 0.006 feet/foot (0.6 foot vertical drop per 100 feet horizontal). This is generally consistent with measurements of the potentiometric surface completed during recent groundwater monitoring events.
- ◆ Groundwater samples were collected from 28 screened intervals this quarter. Predominate detected constituents were BTEX and halogenated compounds. The highest concentrations were detected in groundwater wells located in the vicinity of the former UST/AST north farm area, and wells located downgradient and off-site from the property.
- ◆ Monitoring wells located upgradient to the property (MW-14A/B, MW-22, MW-23, MW-24) contained low concentrations of halogenated compounds (less than 100 $\mu\text{g}/\text{L}$) during this sampling event. The highest concentration of halogenated compounds was detected in MW-23, located cross-gradient and east of the property. BTEX was not detected above laboratory reporting limits in any of the upgradient wells. Concentrations detected in the upgradient well samples were similar to concentrations detected in previous sampling events.
- ◆ Monitoring and extraction wells located on the property (MW-1R, MW-2R, MW-4R, MW-5, MW-6R, MW-7, MW-12R, MW-13R, MW-21A/B, MW-25, MW-26, MW-27, EX-1, EX-2, EX-4, EX-5, EX-6) contained the highest concentrations of both BTEX and halogenated compounds. The highest concentration of halogenated compounds was detected in EX-1 (10,971 $\mu\text{g}/\text{L}$). The highest concentration of BTEX was also detected in EX-1 (8,340 $\mu\text{g}/\text{L}$). Concentrations detected in the property well samples were generally similar to concentrations detected in previous sampling events.
- ◆ Monitoring wells located downgradient to the property (MW-15A/B, MW-16A/B, and MW-17A/B) contained concentrations of halogenated compounds less than 1000 $\mu\text{g}/\text{L}$ during this sampling event. The highest concentration of halogenated compounds was detected in MW-16B (614.4 $\mu\text{g}/\text{L}$), located downgradient and south of the property. BTEX was detected above laboratory reporting limits in three of the five downgradient wells sampled, MW-16B (7.2 $\mu\text{g}/\text{L}$), MW-17A (2.4 $\mu\text{g}/\text{L}$) and MW-17B (0.5 $\mu\text{g}/\text{L}$). It should be noted that downgradient monitoring wells have historically contained greater concentrations of halogenated compounds than BTEX and total ketone compounds. Samples collected from the downgradient monitoring wells during this monitoring event contained similar concentrations of halogenated compounds and BTEX compared to previous events.

6.2 GROUNDWATER REMEDIATION

Since the commissioning of the new GWTS on November 21, 2003, approximately 39.1 million gallons of groundwater have been pumped at a rate of about 50 gpm with influent total VOC concentrations ranging from 287 to 2,941 $\mu\text{g}/\text{L}$. The total VOC mass removal for this reporting period was approximately 145 pounds (at a rate of approximately 24 pounds per month, not including April when the system was off).

GWTS upgrades, including the addition of ozone and hydrogen peroxide were completed in 2006. Adjustments to the system modifications continued during the first half of 2007. During this reporting period, the GWTS operations were periodically suspended based on results of 1,4-dioxane testing. System optimization and replacement of liquid GAC was initiated as a part of corrective action. Following additional system performance testing during the 2007 second quarter, normal system

operations resumed in April 2007. The system shut down September 10, 2007, due to exceedance of 1,4-dioxane. Performance testing occurred in early October and the system has remained shut down while evaluating different treatment technologies.



GENERALIZED PROPERTY STRATIGRAPHY

Project No.: 37680106

Date: December 2007

Project: FORMER ASHLAND CHEMICAL COMPANY

Fig. 3

URS CORPORATION

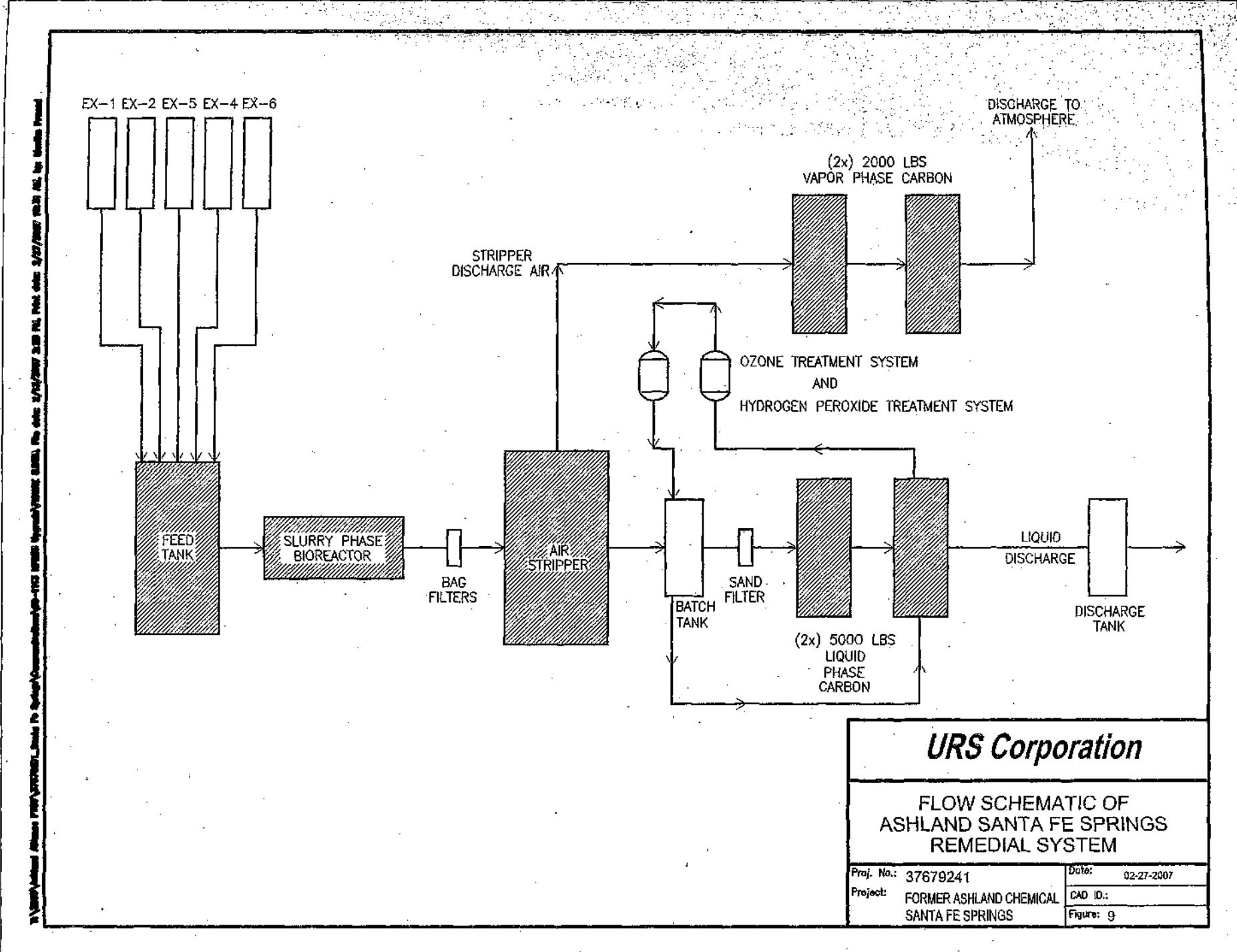


Table 1
Summary of Groundwater Wells
Former Ashland Chemical Company
Santa Fe Springs, California

WELL	SCREENED INTERVAL	WELL ELEVATION (feet MSL)	GROUNDWATER MONITORING WELL STATUS
Groundwater Monitoring Wells			
MW-1	30 to 60/45 to 65*	162.54	Abandoned (property re-development)
MW-1R	49.8 to 84.8	163.88	Existing, MW-1 replacement
MW-2	30 to 60/45 to 65*	162.26	Abandoned (property re-development)
MW-2R	49.4 to 84.4	163.30	Existing, MW-2 replacement
MW-3	30 to 60	161.48	Abandoned (property re-development)
MW-IT-3	84 to 94	161.37	Abandoned (property re-development)
MW-4	60 to 85	165.13	Abandoned (property re-development)
MW-4R	50.1 to 85.1	163.74	Existing, MW-4 replacement
MW-5	60 to 85	162.60	Existing
MW-6	60 to 80	161.36	Abandoned (property re-development)
MW-6R	49.6 to 84.6	161.83	Existing, MW-6 replacement
MW-7	60 to 80	162.65	Existing
MW-8	80 to 96	160.26	Abandoned (property re-development)
MW-9	80 to 90	161.75	Abandoned (property re-development)
MW-IT-9	55 to 75	161.64	Abandoned (property re-development)
MW-10	120 to 140	160.86	Abandoned (property re-development)
MW-11	120 to 160	165.07	Abandoned (property re-development)
MW-12a	55 to 75	162.44	Abandoned (property re-development)
MW-12b	80 to 90	162.47	Abandoned (property re-development)
MW-12R	49.5 to 84.5	163.22	Existing, MW-12A/B replacement
MW-13a	55 to 75	162.96	Abandoned (property re-development)
MW-13b	80 to 90	162.95	Abandoned (property re-development)
MW-13R	50.7 to 85.7	163.09	Existing, MW-13A/B replacement
MW-14a	53 to 73	162.99	Existing
MW-14b	76 to 86	162.82	Existing
MW-15a	54 to 74	159.72	Existing
MW-15b	80 to 90	159.71	Existing
MW-16a	50 to 70	157.34	Existing
MW-16b	80 to 90	157.20	Existing
MW-17a	57 to 77	159.10	Existing
MW-17b	76 to 86	159.23	Existing
MW-18	55 to 85	161.75	Abandoned (property re-development)
MW-19	55 to 85	161.90	Abandoned (property re-development)
MW-20	55 to 85	161.73	Abandoned (property re-development)
MW-21a	60 to 80	159.99	Existing
MW-21b	90 to 100	159.97	Existing
MW-22	47 to 87	159.87	Existing
MW-23	50 to 75	162.65	Existing
MW-24	50 to 75	161.97	Existing
MW-25	49.6 to 84.6	163.23	Existing
MW-26	50.7 to 85.7	162.78	Existing
MW-27	50.5 to 85.5	163.04	Existing
Groundwater Extraction Wells			
EX-1	48 to 88	161.07	Existing
EX-2	48 to 88	163.65	Existing
EX-3	50 to 80	NA	Abandoned (property re-development)
EX-4	55 to 85	162.77	Existing
EX-5	72 to 102	163.10	Existing
EX-6	87 to 107	159.96	Existing
R-1	25 to 54 and 73 to 83	NA	Abandoned (property re-development)

Notes:

feet MSL = feet above Mean Sea Level

Depth to water recorded in feet below top of well casing.

Elevations recorded in feet above MSL.

*** = Monitoring wells MW-1 and MW-2 were re-installed in April 1999 with screened intervals from 45 to 65 feet below ground surface.

Table 2
Groundwater Elevation Data
August 7, 2007 and November 5, 2007
Former Ashland Chemical Company
Santa Fe Springs, California

WELL	DATE MEASURED	CASING ELEVATION (feet MSL)	DEPTH TO WATER (feet BTOP)	GROUNDWATER ELEVATION (feet MSL)
MW-1R	8/7/2007	163.88	62.25	101.63
	11/5/2007		62.58	101.30
MW-2R	8/7/2007	163.30	61.47	101.83
	11/5/2007		61.72	101.58
MW-4R	8/7/2007	163.74	64.08	99.66
	11/5/2007		64.16	99.58
MW-5	8/7/2007	162.80	66.24	96.36
	11/5/2007		66.31	96.29
MW-6R	8/7/2007	161.83	64.12	97.71
	11/5/2007		64.25	97.58
MW-7	8/7/2007	162.65	60.15	102.50
	11/5/2007		60.52	102.13
MW-12R	8/7/2007	163.22	62.08	101.14
	11/5/2007		62.25	100.97
MW-13R	8/7/2007	163.09	61.75	101.34
	11/5/2007		61.94	101.15
MW-14a	8/7/2007	162.99	60.64	102.35
	11/5/2007		60.08	102.91
MW-14b	8/7/2007	162.82	60.44	102.38
	11/5/2007		59.82	103.00
MW-15a	8/7/2007	159.72	61.76	97.96
	11/5/2007		62.00	97.72
MW-15b	8/7/2007	159.71	67.33	92.38
	11/5/2007		67.95	91.76
MW-16a	8/7/2007	157.34	Dry	-
	11/5/2007		Dry	-
MW-16b	8/7/2007	157.20	70.84	86.36
	11/5/2007		71.61	85.59
MW-17a	8/7/2007	159.10	61.20	97.90
	11/5/2007		61.45	97.65
MW-17b	8/7/2007	159.23	61.42	97.81
	11/5/2007		61.68	97.55
MW-21a	8/7/2007	159.99	68.33	91.66
	11/5/2007		68.80	91.19
MW-21b	8/7/2007	159.97	78.81	81.16
	11/5/2007		80.80	79.17
MW-22	8/7/2007	159.87	55.58	104.29
	11/5/2007		56.05	103.82
MW-23	8/7/2007	162.65	60.15	102.50
	11/5/2007		60.45	102.20
MW-24	8/7/2007	161.97	61.35	100.62
	11/5/2007		61.42	100.55
MW-25	8/7/2007	163.23	61.86	101.37
	11/5/2007		62.17	101.06
MW-26	8/7/2007	162.78	62.26	100.52
	11/5/2007		62.42	100.36
MW-27	8/7/2007	163.04	62.99	100.05
	11/5/2007		63.05	99.99
EX-1	8/7/2007	161.07	60.36	100.71
	11/5/2007		60.51	100.56
EX-2	8/7/2007	163.65	63.85	99.80
	11/5/2007		63.93	99.72
EX-4	8/7/2007	162.77	62.73	100.04
	11/5/2007		62.85	99.92
EX-5	8/7/2007	163.10	62.04	101.06
	11/5/2007		62.30	100.80
EX-6	8/7/2007	159.96	NM	NM
	11/5/2007		80.70	79.26

Notes:

feet MSL = feet above Mean Sea Level

ft BTOP = feet Below Top of Casing.

" - " = monitoring well was dry when measured

NM = Not Measured

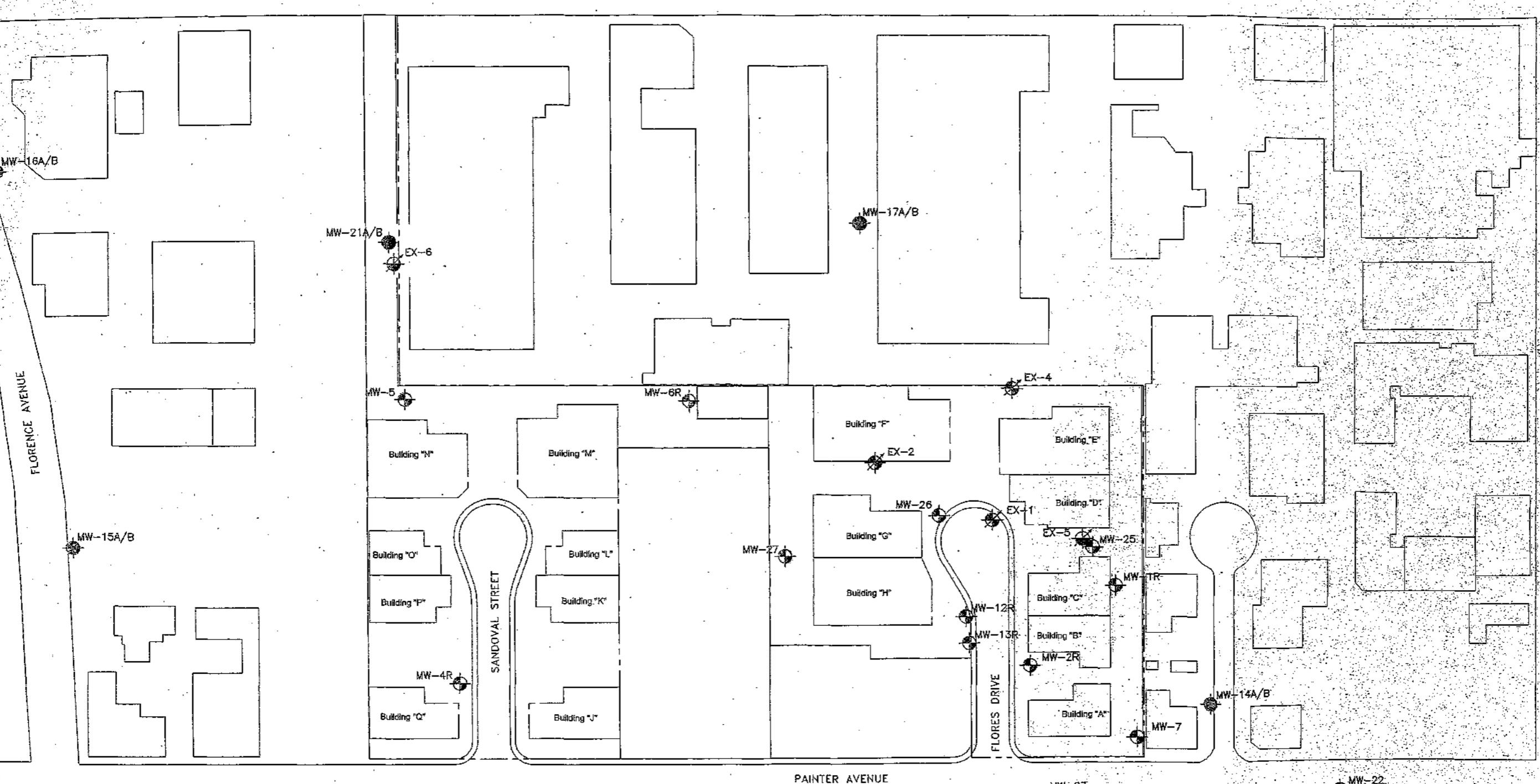
NA = Not Applicable

August 7 and November 5, 2007 gauging data measured after treatment system was shut off.

Table 3
Groundwater Sample Analytical Results
August 2007
Former Ashland Chemical Company
Santa Fe Springs, California

WELL	MW-1R	MW-2R	MW-4R	MW-5	MW-6R	MW-7	MW-7 (dup)	MW-12R	MW-13R	MW-14a	MW-14b	MW-15a	MW-15b	MW-15b (dup)	MW-16a	MW-16b	MW-17a	MW-17b	MW-21a	MW-21b	MW-21b (dup)	MW-22	MW-23	MW-24	MW-25	MW-26	MW-27	EX-1	EX-2	EX-4	EX-5	EX-6
DATE SAMPLED	8/9/2007	8/9/2007	8/8/2007	8/9/2007	8/6/2007	8/8/2007	8/8/2007	8/8/2007	8/8/2007	8/8/2007	8/8/2007	8/8/2007	8/8/2007	8/8/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007	8/9/2007
COMPOUND (µg/L)																																
ACETONE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
BENZENE	11	19	<5.0	23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	120	180	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.8	93
2-BUTANONE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
n-BUTYLBENZENE	9.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
sec-BUTYLBENZENE	20	<0.5	<0.5	0.66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
tert-BUTYLBENZENE	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
CARBON-TETRACHLORIDE	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
CHLOROBENZENE	20	46	<0.5	210	0.70	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	86	13	1.6	200	220	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0		
CHLOROFORM	<0.5	<0.5	<0.5	<0.5	<0.5	0.67	0.91	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
2-CHLORTOLUENE	0.5	1.0	<0.5	0.59	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.0	0.85	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
1,2-DICHLOROBENZENE	3.0	4.2	<0.5	4.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.78	19	15	2.3	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
1,3-DICHLOROBENZENE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
1,4-DICHLOROBENZENE	1.0	1.9	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.0	0.84	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
1,1-DICHLOROETHANE	19	67	2.2	150	57	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	1.9	2.2	2.0	48	6.9	0.66	460	490	<0.5	1.4	<0.5	10	9.6	27	300	7.0	1.7	1.1	180	
1,2-DICHLOROETHANE	10	4.6	1.3	3.4	0.82	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	4.2	7.2	4.1	34	0.5	0.5	9.4	12	11	<0.5	10	14	0.5	7.8	52	1.3	<1.0	0.58	2.6		
1,1-DICHLOROETHENE	6.0	20	1.6	1.5	8.8	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	1.7	1.8	2.0	9.8	0.5	0.5	27	12	1.2	<0.5	0.51	3.4	0.66	5.2	65	0.58	<1.0	0.5	6.9		
1,2-DICHLOROETHENES (total)	1106.0	1103.1	0.59	72	113	<1.0	<1.0	<1.0	7.1	8.0	<1.0	<1.0	46.2	39.3	36.5	368	8.87	3.2	1491	209	206	<1.0	<1.0	0.55	844	21.1	2.0	18.9	22	112.2	187	
1,2-DICHLOROPROPANE	2.3	10	<0.5	3.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	1.6	3.4	1.1	17	5.9	5.8	<0.5	0.5	0.59	4.5	0.5	0.5	0						

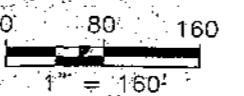
SHOEMAKER AVENUE



EXPLANATION

- MW-5: GROUNDWATER MONITORING WELL - UPPER PORTION OF SHALLOW ZONE WITH GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL (FT MSL)
- MW-17A/B: GROUNDWATER MONITORING WELL (DUAL COMPLETION) - LOWER PORTION OF SHALLOW ZONE WITH GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL (FT MSL)
- EX-2: GROUNDWATER EXTRACTION WELL - UPPER PORTION OF SHALLOW ZONE WITH GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL (FT MSL)
- EX-5: GROUNDWATER EXTRACTION WELL - LOWER PORTION OF SHALLOW ZONE

SITE BOUNDARY

**URS CORPORATION**SITE REDEVELOPMENT PLAN
AND WELL LOCATIONS

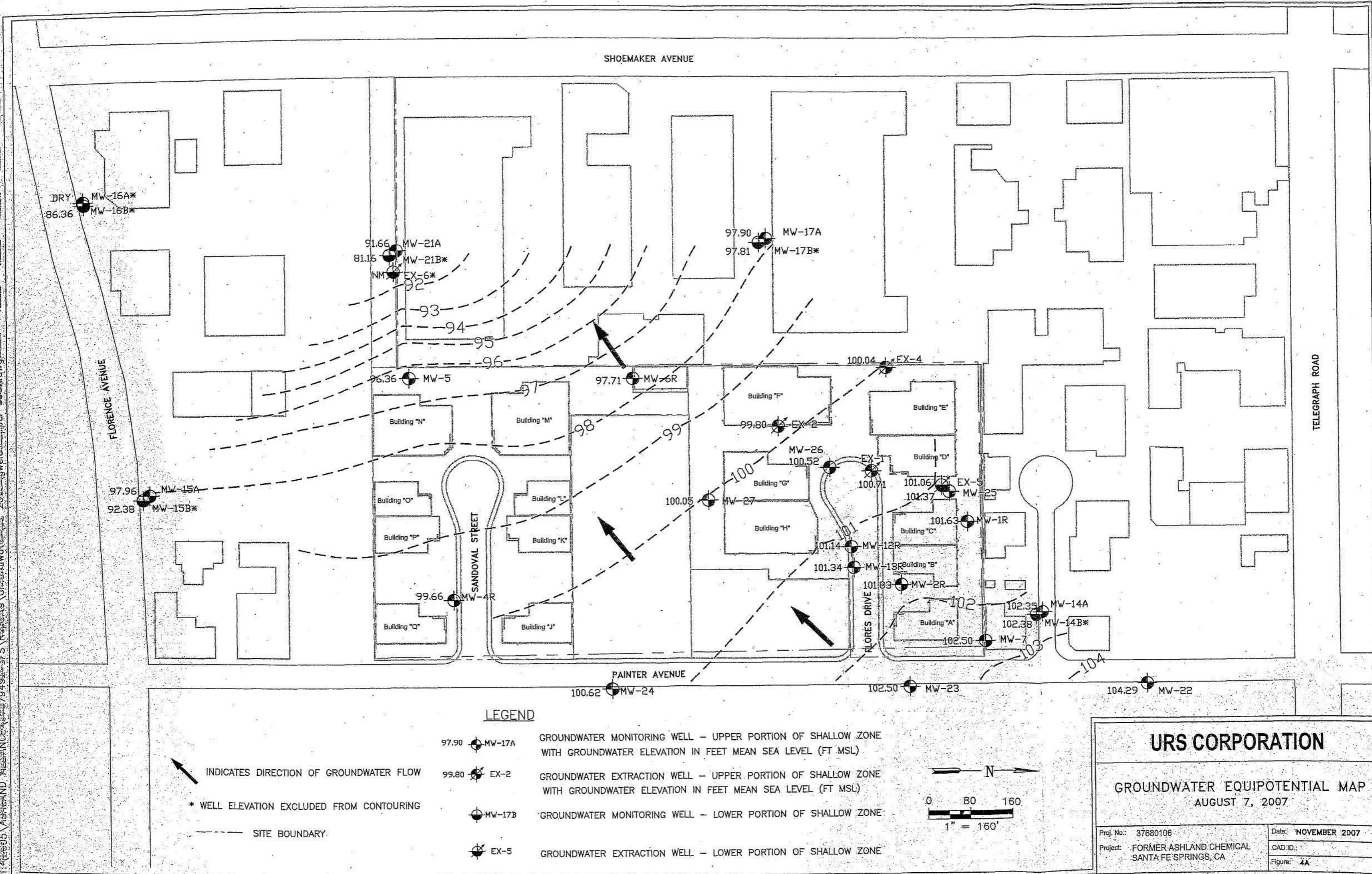
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Date: December 2007

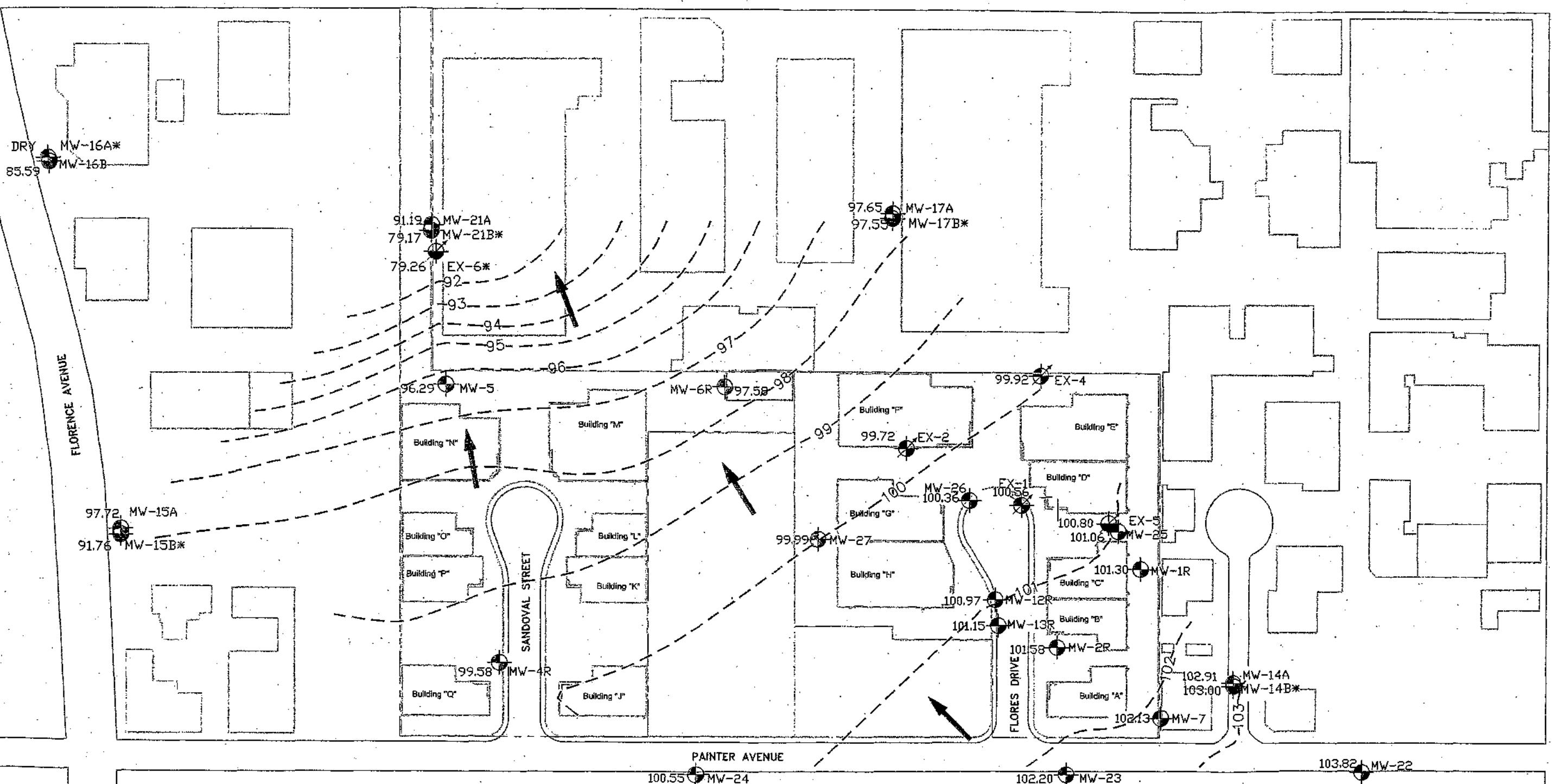
Project: FORMER ASHLAND CHEMICAL,
SANTA FE SPRINGS, CA.

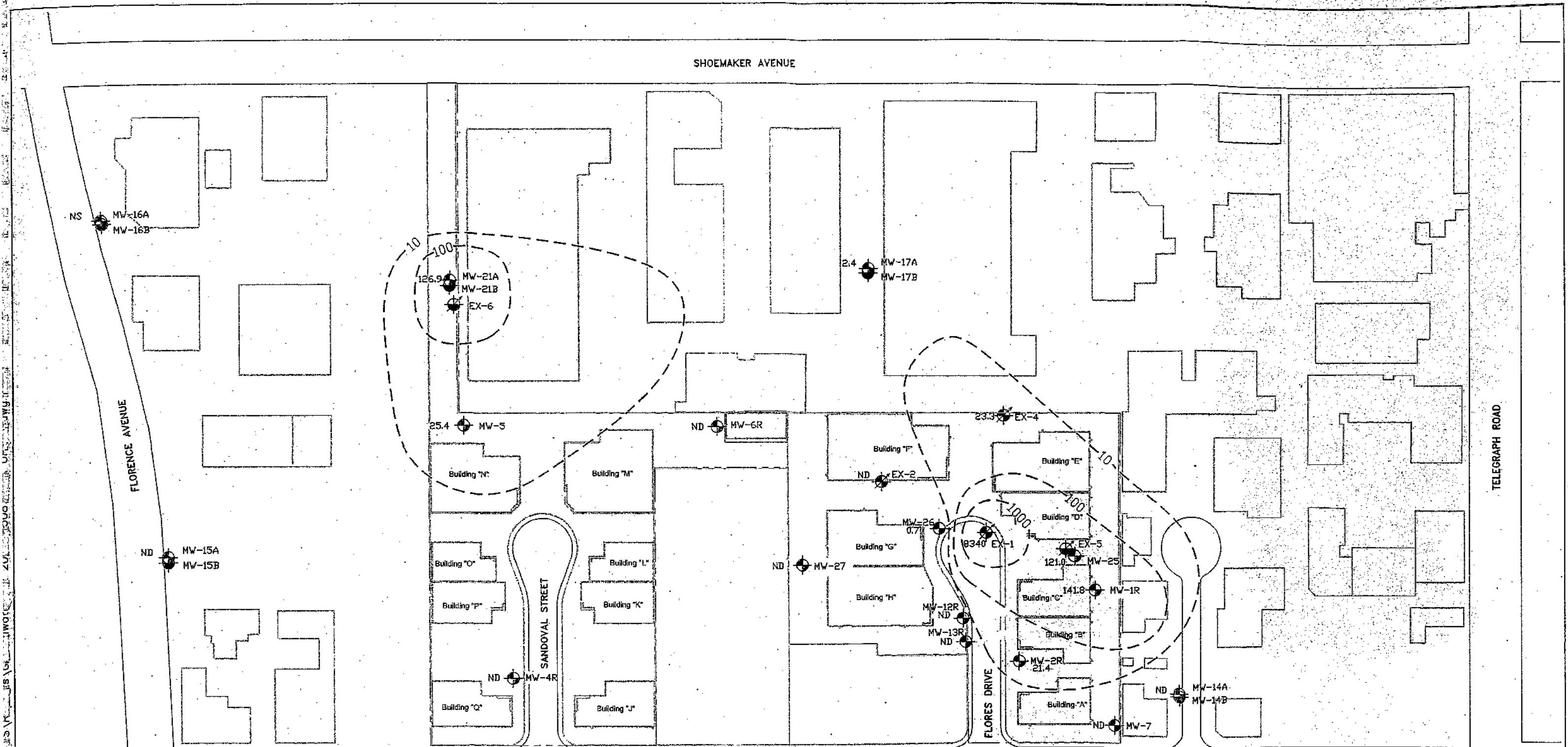
CAD ID:

Figure: 2



SHOEMAKER AVENUE





LEGEND

2.4 MW-17A GROUNDWATER MONITORING WELL - UPPER PORTION OF SHALLOW ZONE
TOTAL BENZENE, TOLUENE, ETHYLBEZENE, AND XYLEMES (BTX) CONCENTRATION IN MICROGRAMS PER LITER ($\mu\text{g/L}$)

ND EX-2 GROUNDWATER EXTRACTION WELL - UPPER PORTION OF SHALLOW ZONE
TOTAL BTEX CONCENTRATION IN ug/l

 MW-17B GROUNDWATER MONITORING WELL - LOWER PORTION OF SHALLOW ZONE

 EX-5 GROUNDWATER EXTRACTION WELL - LOWER PORTION OF SHALLOW ZONE

ND NOT DETECTED AT OR ABOVE LABORATORY
REPORTING LIMITS

NS NOT SAMPLED (WELL DRY)

— — 100 — — TOTAL BTEX ISO-CONCENTRATION CONTOUR
IN MICROGRAMS PER LITER

— — — — SITE BOUNDARY

$1'' = 160'$

URS CORPORATION

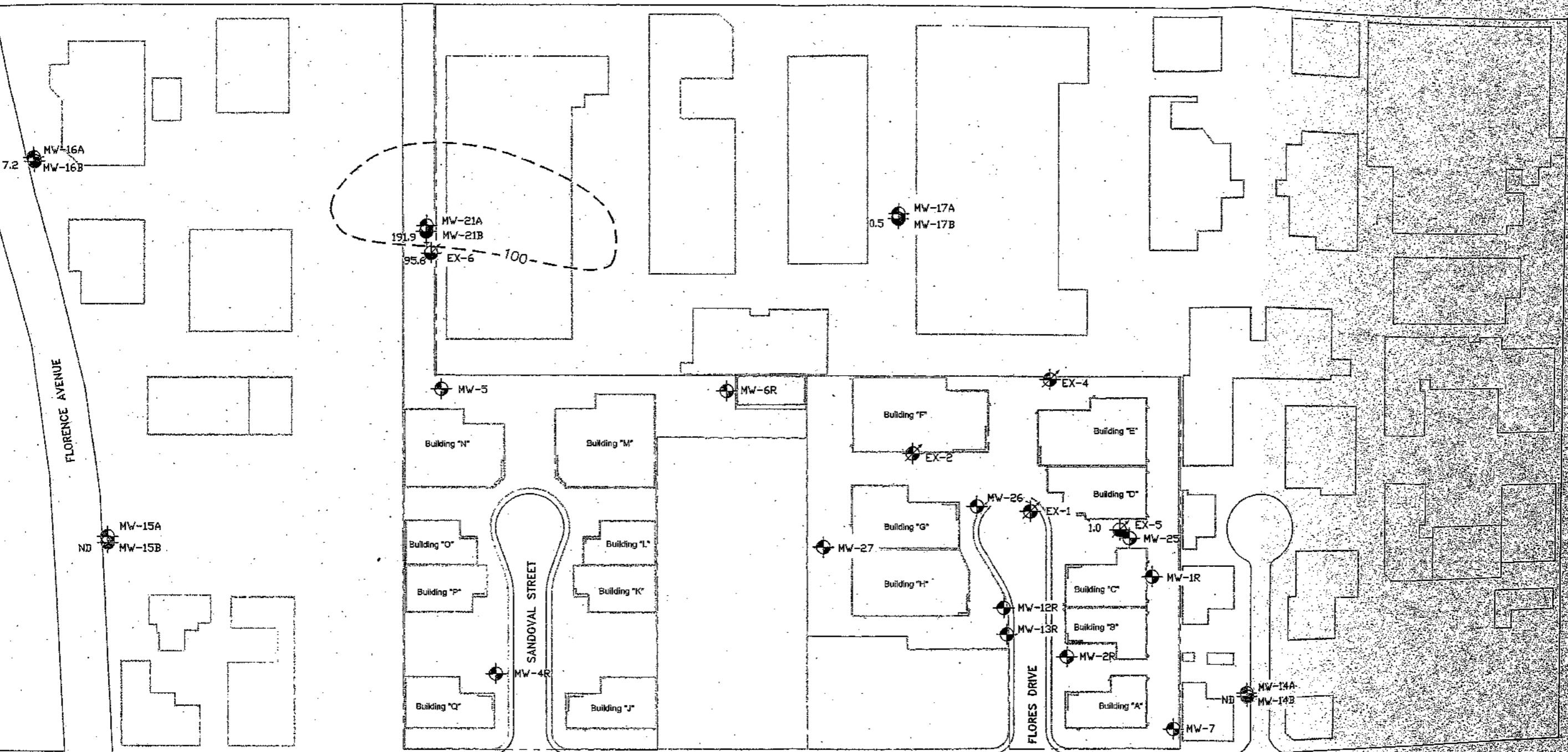
TOTAL BTEX CONCENTRATIONS
UPPER PORTION OF SHALLOW ZONE
AUGUST 2007

Proj. No.: 37680106

Project: FORMER ASHLAND CHEMICAL
SANTA FE SPRINGS, CA

Date: NOVEMBER 2007
AD ID: 6A

SHOEMAKER AVENUE

LEGEND

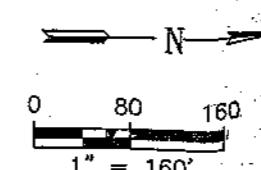
- MW-17A GROUNDWATER MONITORING WELL - UPPER PORTION OF SHALLOW ZONE
- EX-2 GROUNDWATER EXTRACTION WELL - UPPER PORTION OF SHALLOW ZONE
- 0.5 MW-17B GROUNDWATER MONITORING WELL - LOWER PORTION OF SHALLOW ZONE
TOTAL BENZENE, TOLUENE, ETHYLBEZENE, AND XYLEMES (BTEX)
CONCENTRATION IN MICROGRAMS PER LITER ($\mu\text{g}/\text{L}$)
- 1.0 EX-5 GROUNDWATER EXTRACTION WELL - LOWER PORTION OF SHALLOW ZONE
TOTAL BTEX CONCENTRATION IN $\mu\text{g}/\text{L}$

ND NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS

NS NOT SAMPLED (WELL DRY)

— 100 — TOTAL BTEX ISO-CONCENTRATION CONTOUR
IN MICROGRAMS PER LITER

— SITE BOUNDARY



URS CORPORATION

TOTAL BTEX CONCENTRATIONS
LOWER PORTION OF SHALLOW ZONE

AUGUST 2007

Proj. No. 37680106 Date NOVEMBER 2004
CADD ID: Project 068

SHOEMAKER AVENUE

NS
MW-16A
MW-16B

3705.7
MW-21A
MW-21B
EX-6

63.8
MW-17A
MW-17B

189.6 MW-6R

577.9 MW-5

Building "N"

Building "M"

Building "O"

Building "L"

Building "P"

Building "K"

Building "Q"

Building "J"

MW-4R

SANDOVAL STREET

100

Building "F"

51.6 EX-2

61.3 EX-4

Building "E"

61.5 EX-1

Building "D"

109.71 MW-25

882.6 MW-26

1000 MW-27

Building "G"

107.7 MW-28

Building "H"

14.0 MW-12R

9.6 MW-13R

1433 MW-2P

Building "B"

Building "C"

1209 MW-1R

1.3 MW-14A

1.3 MW-14B

19.2 MW-7

FLORES DRIVE

100

PAINTER AVENUE

14.6 MW-24

43.2 MW-23

1.4 MW-22

LEGEND

63.8 MW-17A GROUNDWATER MONITORING WELL - UPPER PORTION OF SHALLOW ZONE
TOTAL HALOGENATED VOLATILE ORGANIC COMPOUNDS (HVOCs) CONCENTRATION IN MICROGRAMS PER LITER (ug/L)

51.6 EX-2 GROUNDWATER EXTRACTION WELL - UPPER PORTION OF SHALLOW ZONE
TOTAL HVOC CONCENTRATION IN ug/L

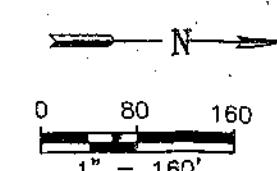
— MW-17B GROUNDWATER MONITORING WELL - LOWER PORTION OF SHALLOW ZONE

EX-5 GROUNDWATER EXTRACTION WELL - LOWER PORTION OF SHALLOW ZONE

ND NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
NS NOT SAMPLED (WELL DRY)

— 100 — TOTAL HVOC ISO-CONCENTRATION CONTOUR IN MICROGRAMS PER LITER

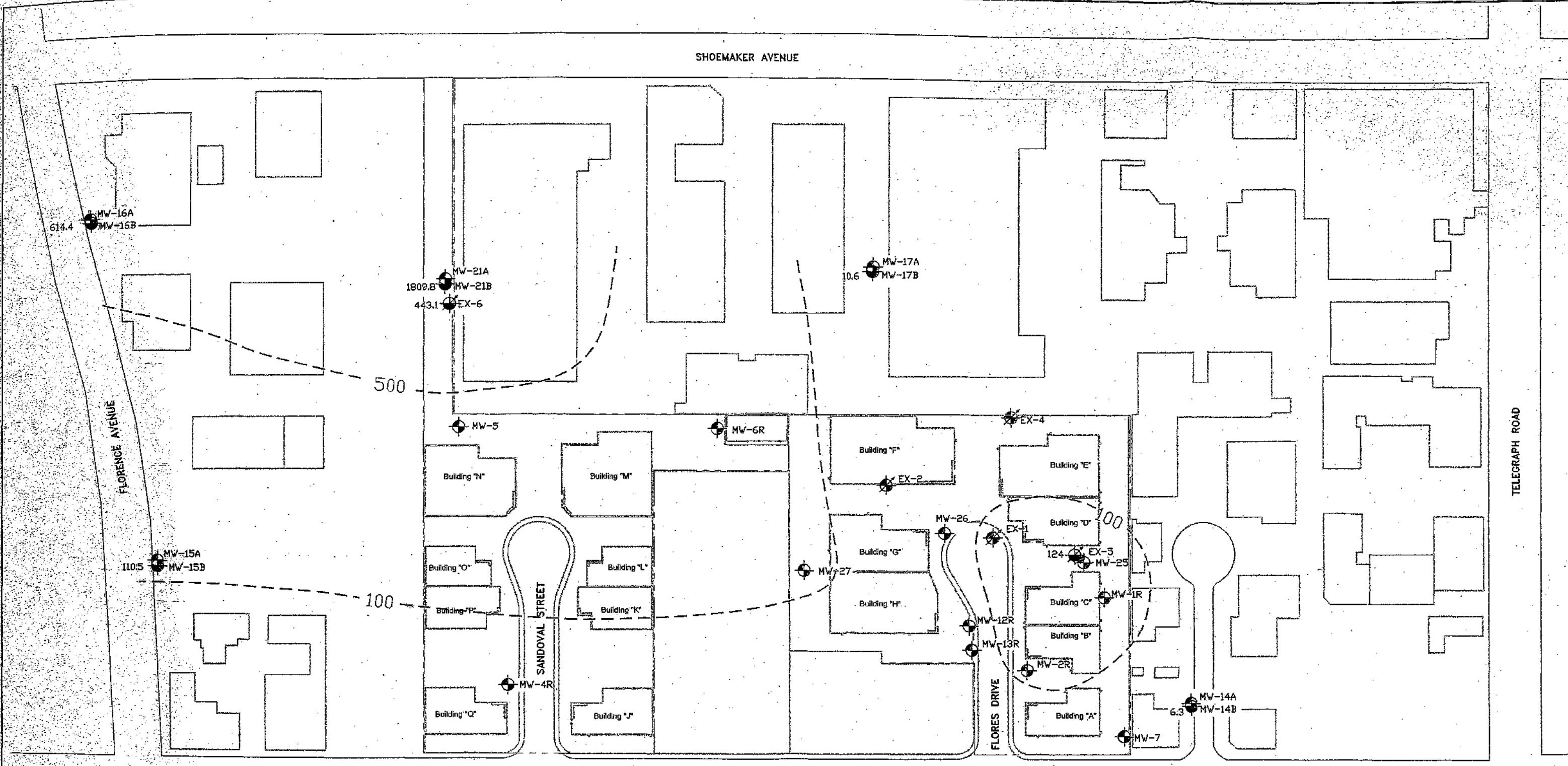
— SITE BOUNDARY



URS CORPORATION
TOTAL HVOC CONCENTRATIONS
UPPER PORTION OF SHALLOW ZONE
AUGUST 2007

Proj. No.: 37680106
Project: FORMER ASHLAND CHEMICAL
Santa Fe Springs, CA
Date: NOVEMBER 2007
CAD ID.:
Figure: 7A

TELEGRAPH ROAD



LEGEND

-  MW-17A GROUNDWATER MONITORING WELL - UPPER PORTION OF SHALLOW ZONE
 -  EX-2 GROUNDWATER EXTRACTION WELL - UPPER PORTION OF SHALLOW ZONE
 -  MW-17B GROUNDWATER MONITORING WELL - LOWER PORTION OF SHALLOW ZONE
TOTAL HALOGENATED VOLATILE ORGANIC COMPOUNDS (HVOCS) CONCENTRATION
IN MICROGRAMS PER LITER ($\mu\text{g/L}$)
 -  EX-5 GROUNDWATER EXTRACTION WELL - LOWER PORTION OF SHALLOW ZONE
TOTAL HVOCS CONCENTRATION IN $\mu\text{g/L}$

ND NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS

NS NOT SAMPLED (WELL DRY)

— — 100 — — TOTAL HVOC ISO-CONCENTRATION CONTOUR
IN MICROGRAMS PER LITER

SITE BOUNDARY

0 80 160
1" = 160'

URS CORPORATION

TOTAL HVOC CONCENTRATIONS
LOWER PORTION OF SHALLOW ZONE
AUGUST 2007

obj. No.: 37680106	Date: NOVEMBER 2007
object: FORMER ASHLAND CHEMICAL SANTA FE SPRINGS, CA	CAD ID: .
	Figure: 7B